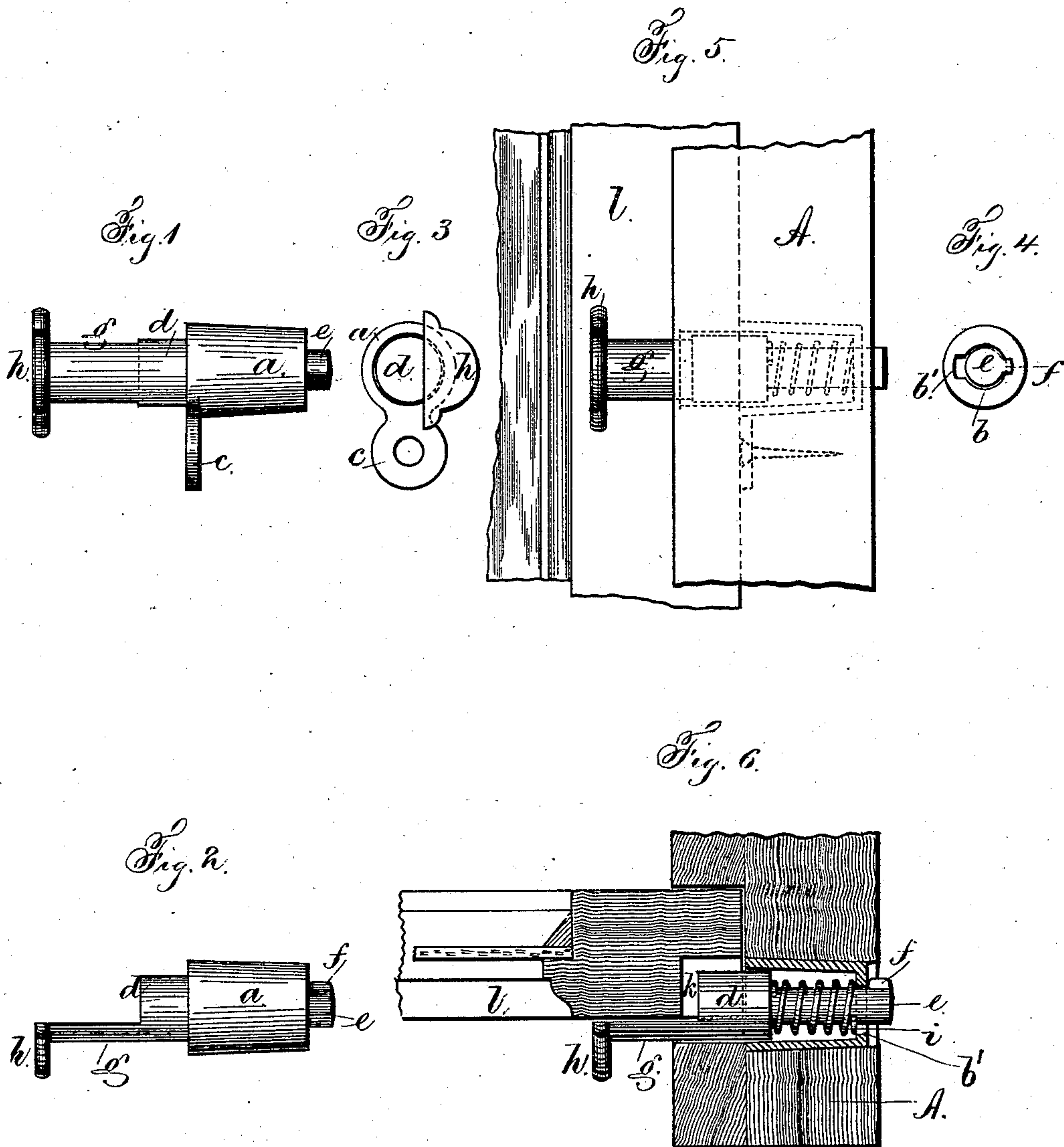


(Model.)

M. JUDD.  
SASH FASTENER.

No. 281,768.

Patented July 24, 1883.



Witnesses.  
Harold Serrell  
Chas H. Smith

Inventor.  
Morton Judd.  
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# UNITED STATES PATENT OFFICE.

MORTON JUDD, OF WALLINGFORD, CONNECTICUT.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 281,768, dated July 24, 1883.

Application filed May 7, 1883. (Model.)

*To all whom it may concern:*

Be it known that I, MORTON JUDD, of Wallingford, in the county of New Haven and State of Connecticut, have invented an Improvement in Sash Fasteners and Supporters; and the following is declared to be a description of the same.

Sash fasteners and supporters of the same class as my invention have been made before. In one instance a metal case having one end closed and a slot in the other end was employed for holding the spring and end of the bolt. In another case the cylindrical metal case had one end open, and a cap covering the end with a round opening in it.

My invention consists in a sash fastener and supporter wherein the metal case fitting into the window-casing is formed as a thimble entirely open at one end, and having at the other end a small opening and slot for the passage of the end of the bolt. Said case is also provided with an ear for a nail or screw to hold the fastener in place in the window-casing. The bolt is provided with a shank and projection, a segmental arm, and finger-button, and there is a spring around the bolt for projecting the same. When in use, the window-sash is held by the bolt; but pressure on the finger-button moves the bolt back and allows the window to be raised. The bolt can be entirely removed from its case, if necessary, after the sash is raised above it, by simply turning the bolt half round and pulling it out, the metal case being left secure in the casing, and in putting the case into the window-casing it is a great convenience to be able to remove the bolt from the case.

In the drawings, Figure 1 is an elevation of my sash-fastener. Fig. 2 is a plan of the same. Fig. 3 is an elevation of one end, and Fig. 4 is an elevation of the other end, of the fastener. Fig. 5 is an elevation of part of a window-casing and sash, with the fastening in position, and Fig. 6 is a cross-section of the parts in Fig. 5 with the bolt in elevation.

The metal case *a* is cylindrical and entirely open at one end; but the other end is closed, except a central hole, *b*, with a slot or notch, *b'*, at one side, and there is an ear, *c*, that projects from one side of the case at the open end. Through this ear is a hole for securing the case *a* by a nail or screw in the window-frame A. The parts are all cast in one, and

the ear is circular in its outline. The bolt is composed of the stock *d*, shank *e*, lug or projection *f*, segmental arm *g*, and finger-button *h*. The spiral spring *i* surrounds the shank *e* and bears against the inner end of the case *a*. The bolt is inserted into the case, and the projection *f* and shank pass through the notched hole in the inner end, and then about a half-revolution is given to the bolt, so that the lug prevents the bolt coming out of the case.

This sash-supporter is easily introduced in the window-frame, it only being necessary to bore a hole for the case and a recess for the round ear, and then drive the case into its place, after which the bolt is inserted. The window-sash is notched, as at *k*, in as many places along the edge as may be desired, and said notches are formed by a boring-tool driven into the edge of the sash, and the wood cut out of the surface of the sash to form a slot to receive the bolt, and thereby the window-sash is held in place or supported. The flat surface of the segment *g* comes against the flat surface of the window-sash *l*, and so long as these parts are adjacent to each other the bolt cannot be turned in its case or removed. A pressure on the finger-button will compress the spring and retire the bolt-stock *d* into the case, thus releasing the sash and allowing it to be raised or lowered.

If it is desired to remove the bolt from the case, the sash should be raised above it, and the bolt can then be turned half round, bringing the lug or projection *f* opposite the slot *b'*, when the bolt and spring *i* can be withdrawn, leaving the case *a* in the window-frame A.

This sash-fastening is simple, not liable to break or get out of order, and is efficient.

I claim as my invention—

In a sash-fastener, the combination, with the case *a*, of a bolt having a projection, *f*, at the inner end, a segmental arm, *g*, and button, the flat surface of which bears against the surface of the sash, and is thereby held in place and kept from turning, substantially as set forth.

Signed by me this 3d day of May, A. D. 1883.

MORTON JUDD.

Witnesses:

GEO. T. PINCKNEY,  
HAROLD SERRELL,